

**I claim:**

Sub A1  
1. A method of operating a Personal Digital Assistant (PDA) with an Internet Protocol (IP) phone device, comprising the steps of:  
arranging information within the PDA to correspond to at least one of first and second data sets, the first data set including phone features of a user, the second set including phone policies of the user; and  
operating the IP phone device according to the arranged information.

Sub B1  
2. The method as defined in claim 1 wherein said arranging step includes the steps of:  
storing a list of predetermined phone features in the PDA; and  
selecting, in the PDA, certain phone features from the list of predetermined phone features to arrange the information.

3. The method as defined in claim 1 wherein said operating step includes the step of:  
synchronizing the PDA with the IP phone device.

Sub A2  
4. The method as defined in claim 1 further comprising the steps of:  
prestoring identity information of the user in the PDA; and  
verifying, in the PDA, the identity of a current user based on the prestored identity information.

Sub C1  
5. The method as defined in claim 1 wherein said operating step includes the step of:  
receiving and initiating calls through the IP phone device according to the arranged information from said arranging step.

6. The method as defined in claim 1 further comprising the step of:  
modifying the arranged information of said arranging step.

7. The method as defined in claim 1 wherein in said arranging step, the PDA includes a phone application program interface (API) for interfacing the PDA with phone functionality of the IP phone device.

1) 8. The method as defined in claim 1 wherein in said arranging step, the  
2 PDA includes a feature/policy application program interface (API) for interfacing the  
3 PDA with the phone features and phone policies of the user.

1 9. The method as defined in claim 1 further comprising the step of:  
2 connecting the PDA to an Internet Protocol-Public Branch Exchange (IP-PBX)  
3 via the IP phone device.

Sub 2 AB 10. A method of operating a Personal Digital Assistant (PDA), comprising  
3 the steps of:  
4 arranging information within the PDA to correspond to at least one of first and  
5 second data sets, the first data set including phone features of a user, the second data  
6 set including phone policies of the user; and  
7 transferring the arranged information to an Internet Protocol-Public Branch  
8 Exchange (IP-PBX).

1 11. The method as defined in claim 10 wherein said transferring step  
2 includes the step of:  
3 connecting the PDA to the IP-PBX through the Internet.

Sub 2 AH 12. The method as defined in claim 10 further comprising the steps of:  
3 prestoring identification data of the user in the PDA; and  
4 verifying, before said arranging step, the identity of a current user of the PDA  
5 based on the prestored identification data.

Sub 1 PD 13. A method of operating a Personal Digital Assistant (PDA), comprising  
2 the steps of:  
3 storing at least one of first and second data sets within the PDA, the first data  
4 set including phone features of a plurality of users, the second data set including  
5 phone policies of the plurality of users; and  
6 verifying phone configurations based on said at least one of first and second  
7 data sets stored within the PDA.

1 14. The method as defined in claim 13 further comprising the steps of:

2           prestoring identification data of a verifier within the PDA; and  
3           verifying the identity of a current verifier based on the prestored identification  
4           data.

1           15.    The method as defined in claim 13 further comprising at least one of  
2           the following steps:

3           deleting certain phone features and phone policies from the phone features and  
4           phone policies stored within the PDA;

5           modifying the phone features and phone policies stored within the PDA; and

6           selecting certain phone features and phone policies from the phone features  
7           and phone policies stored within the PDA.

1           16.    A Personal Digital Assistant (PDA), comprising:  
2           a memory for storing a list of phone features and phone policies therein; and  
3           software stored in the memory for allowing a user to program user's personal  
4           phone features and phone policies within the PDA using the stored list of phone  
5           features and phone policies.

1           17.    The PDA as defined in claim 16 wherein the memory includes  
2           prestored identification data for the user, and said PDA further includes a security unit  
3           for verifying the identity of a current PDA user based on the prestored identification  
4           data.

1           18.    The PDA as defined in claim 16 wherein said software includes a  
2           feature/policy application program interface (API), said feature/policy API being used  
3           to interface the PDA with phone features and phone policies of the user.

1           19.    The PDA as defined in claim 16 further comprising:  
2           a connection for connecting the PDA to an Internet Protocol-Public Branch  
3           Exchange (IP-PBX).

1           20.    The PDA as defined in claim 16 wherein said PDA is adopted to  
2           couple to an Internet Protocol (IP) phone device for communication.

1 21. The PDA as defined in claim 20 wherein said software includes a  
2 phone application program interface (API) for interfacing the PDA with phone  
3 functionality of the IP phone device.

1 22. The PDA as defined in claim 20 further comprising:  
2 a synchronization unit for synchronizing the PDA with the IP phone device.

1 23. A Personal Digital Assistant (PDA) capable of communicating with an  
2 Internet Protocol-Public Branch Exchange (IP-PBX), comprising:  
3 a memory for storing a list of phone features and phone policies within the  
4 PDA;  
5 a computer program stored in the memory for allowing a user to program  
6 user's personal phone features and phone policies using the list of phone features and  
7 phone policies; and  
8 a connection for connecting the PDA and the IP-PBX.

1 24. The PDA as defined in claim 23 wherein the connection is a modem  
2 for connecting the PDA to the IP-PBX through the Internet.

1 25. The PDA as defined in claim 23 wherein the memory further stores  
2 prestored identification data for the user.

1 26. The PDA as defined in claim 25 further comprising:  
2 a security unit for verifying the identity of a current PDA user based on the  
3 prestored identification data.

1 27. A Personal Digital Assistant (PDA), comprising:  
2 a memory for storing at least one of first and second data sets within the PDA,  
3 the first data set including phone features of a plurality of users, the second data set  
4 including phone policies of the plurality of users; and  
5 a display for displaying phone configurations based on said at least one of first  
6 and second data sets stored in the memory.

1 28. The PDA as defined in claim 27 wherein the memory also stores  
2 prestored identification data of a verifier.

1           29.    The PDA as defined in claim 28 further comprising:  
2           a security unit for verifying the identity of a current verifier based on the  
3           prestored identification data.

1           30.    A Personal Digital Assistant (PDA) comprising:  
2           first means for storing at least one of first and second data sets within the  
3           PDA, the first data set including a list of predetermined phone features, the second  
4           data set including a list of predetermined phone policies;  
5           second means for programming user's personal phone features and phone  
6           policies using the stored at least one of first and second data sets; and  
7           third means for storing the programmed user's personal phone features and  
8           phone policies within the PDA.

1           31.    The PDA as defined in claim 30 wherein the first means also stores  
2           identification data for the user.

1           32.    The PDA as defined in claim 31 further comprising:  
2           security means for verifying the identity of a current PDA user based on the  
3           prestored identification data.

1           33.    The PDA as defined in claim 30 wherein the first means stores a  
2           feature/policy application program interface (API) used to interface the PDA with the  
3           user's phone features and phone policies.

1           34.    The PDA as defined in claim 30 further comprising:  
2           connection means for connecting the PDA to an Internet Protocol-Public  
3           Branch Exchange (IP-PBX) for communication.

1           35.    The PDA as defined in claim 30 wherein the first means stores a phone  
2           application program interface (API) used to interface the PDA with phone  
3           functionality of an Internet Protocol (IP) phone device.

1           36.    The PDA as defined in claim 30 further comprising:

2 synchronization means for synchronizing the PDA with an Internet Protocol  
3 (IP) phone device.

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2 37. A Personal Digital Assistant (PDA) for communicating with an  
3 Internet Protocol-Public Branch Exchange (IP-PBX), comprising:  
4 means for allowing programming of user's personal phone features and phone  
5 policies within the PDA; and  
connection means for connecting the PDA and the IP-PBX.

1 38. The PDA as defined in claim 37 wherein the connection means  
2 includes a modem for connecting the PDA to the IP-PBX.

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2 39. The PDA as defined in claim 37 further comprising:  
storage means for prestoring identification data of the user.

1 40. The PDA as defined in claim 39 further comprising:  
2 security means for verifying the identity of a current PDA user based on the  
3 prestored identification data.

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2 41. A Personal Digital Assistant (PDA) comprising:  
3 means for storing at least one of first and second data sets within the PDA, the  
4 first data set including phone features of a plurality of users, the second data set  
5 including phone policies of the plurality of users; and  
6 display means for displaying phone configurations based on the stored at least  
one of first and second data sets.

1 42. The PDA as defined in claim 41 wherein the means for storing  
2 prestores identification data of a verifier.

1 43. The PDA as defined in claim 42 further comprising:  
2 security means for verifying the identity of a current verifier based on the  
3 prestored identification data.

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2 44. A computer program embodied on a computer-readable medium of a  
Personal Digital Assistant (PDA), comprising:

3 a first source code segment for storing a list of phone features and phone  
4 policies within the PDA; and

5 a second source code segment for programming user's personal phone features  
6 and phone policies within the PDA using the stored list of phone features and phone  
7 policies.

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2 45. The computer program of claim 44 further comprising:  
3 a third source code segment for storing identification data for the user and  
verifying the identify of a current PDA user based on the prestored identification data.

1 46. The computer program of claim 44 further comprising:  
2 a third source code segment for interfacing the PDA with phone features and  
3 phone policies of the user.

1 47. The computer program of claim 44 further comprising:  
2 a third source code segment for interfacing the PDA with phone functionality  
3 of an Internet Protocol (IP) phone device for communication.

1 48. The computer program of claim 44 further comprising:  
2 a third source code segment for communicating with an Internet Protocol-  
3 Public Branch Exchange (IP-PBX).

1 49. A computer program embodied on a computer-readable medium of a  
2 Personal Digital Assistant (PDA), comprising:  
3 a first source code segment for storing at least one of first and second data sets  
4 within the PDA, the first data set including phone features of a plurality of users, the  
5 second data set including phone policies of the plurality of users; and  
6 a second source code segment for displaying phone configurations based on  
7 the stored at least one of first and second data sets.

1 50. The computer program as defined in claim 49 wherein the first source  
2 code segment prestores identification data of a verifier within the PDA.

1 51. The computer program as defined in claim 50 further comprising:

- 2 a third source code segment for verifying the identity of a current verifier
- 3 based on the prestored identification data.

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